Fig. 1

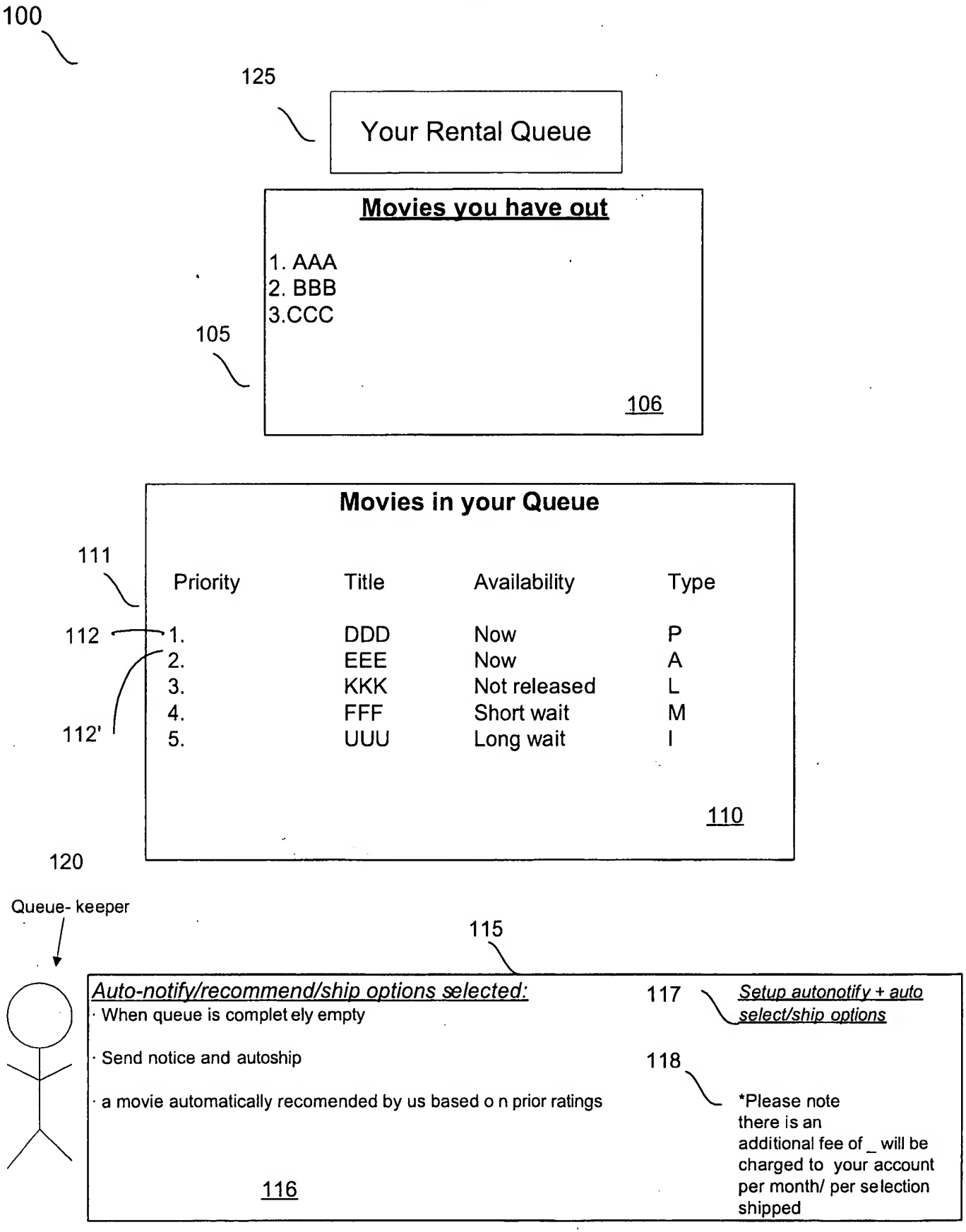
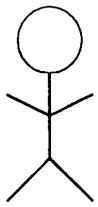

100
125
Your Rental Queue
Movies you have out
1. AAA
2. BBB
3.CCC
105
106
Movies in your Queue
111
Priority
Title
Availability
Type
112
1.
DDD
Now
P
2.
EEE
Now
A
3.
KKK
Not released
L
4.
FFF
Short wait
M
5.
UUU
Long wait
I
112'
110
120
Queue- keeper
115
Auto-notify/recommend/ship options selected:
· When queue is complet ely empty
· Send notice and autoship
· a movie automatically recomended by us based o n prior ratings
116
117
Setup autonotify + auto select/ship options
118
*Please note there is an additional fee of _ will be charged to your account per month/ per selection shipped

Fig. 2



200

Preferences set up for auto notify autoship + autorecommend

Do you want us to automatically notify you when your rental queue is empty (or near empty) and automatically select and ship a title to you? If so please fill out the information below, then simply select "finish" to go back to your rental queue. Otherwise hit "cancel"

210

1 When should I review your rental Queue?

- ☑ Queue is completely empty
- ☐ Queue has space [2] Movies left
- ☐ A selection I would like is available
- ☐ x days have gone by

220

2 What do you want me to do when the queue should be replenished?

- ☐ Send Notice only
- ☐ Notice + wait for ☐ My confirmation
- ☑ Send Notice and auto- ship
- ☐ No notice- autoship
- ☐ If I don't respond in 3 days send notice again

☐ 1 day
☐ 2 day
☐ ...day

230

3 What types of titles should I use to replenish the selection queue?

- ☐ Auto recommend
- ☐ New releases
- ☐ Genre (select)
- ☑ Collection
- ☐ Top 100
- ☐ Critic choices

☐ ·Prior rating
☐ ·Prior rentals

240

4 When Q keeper finds a better title, I want him to...

- ☑ Replace the next item to be shipped.
- ☐ Put it in the Queue in order after my current choices.
- ☐ Put it in my Queue as tentative but do not ship unless I confirm

250

Finished 295

Cancel 296

☑ Defaults

Fig. 3A

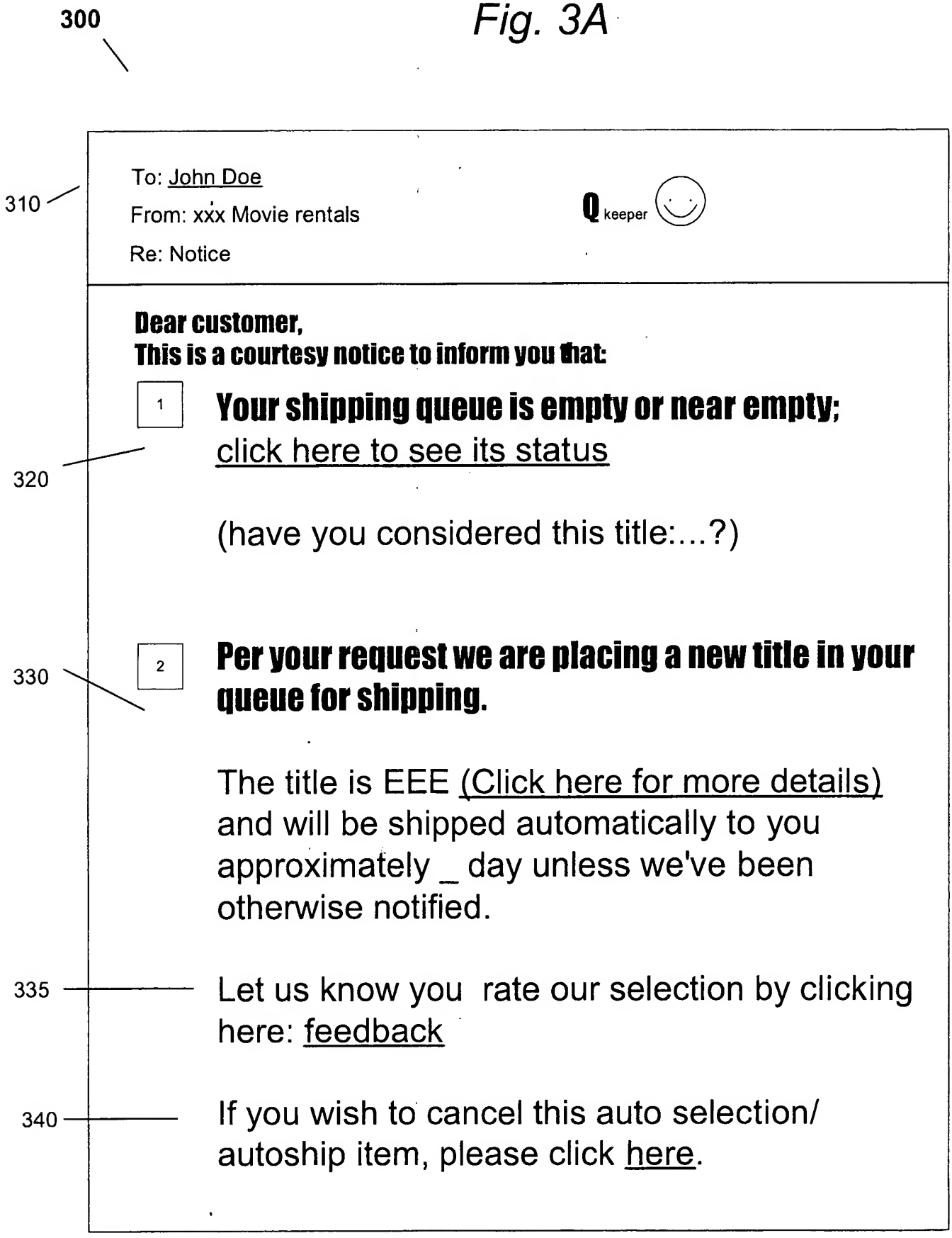
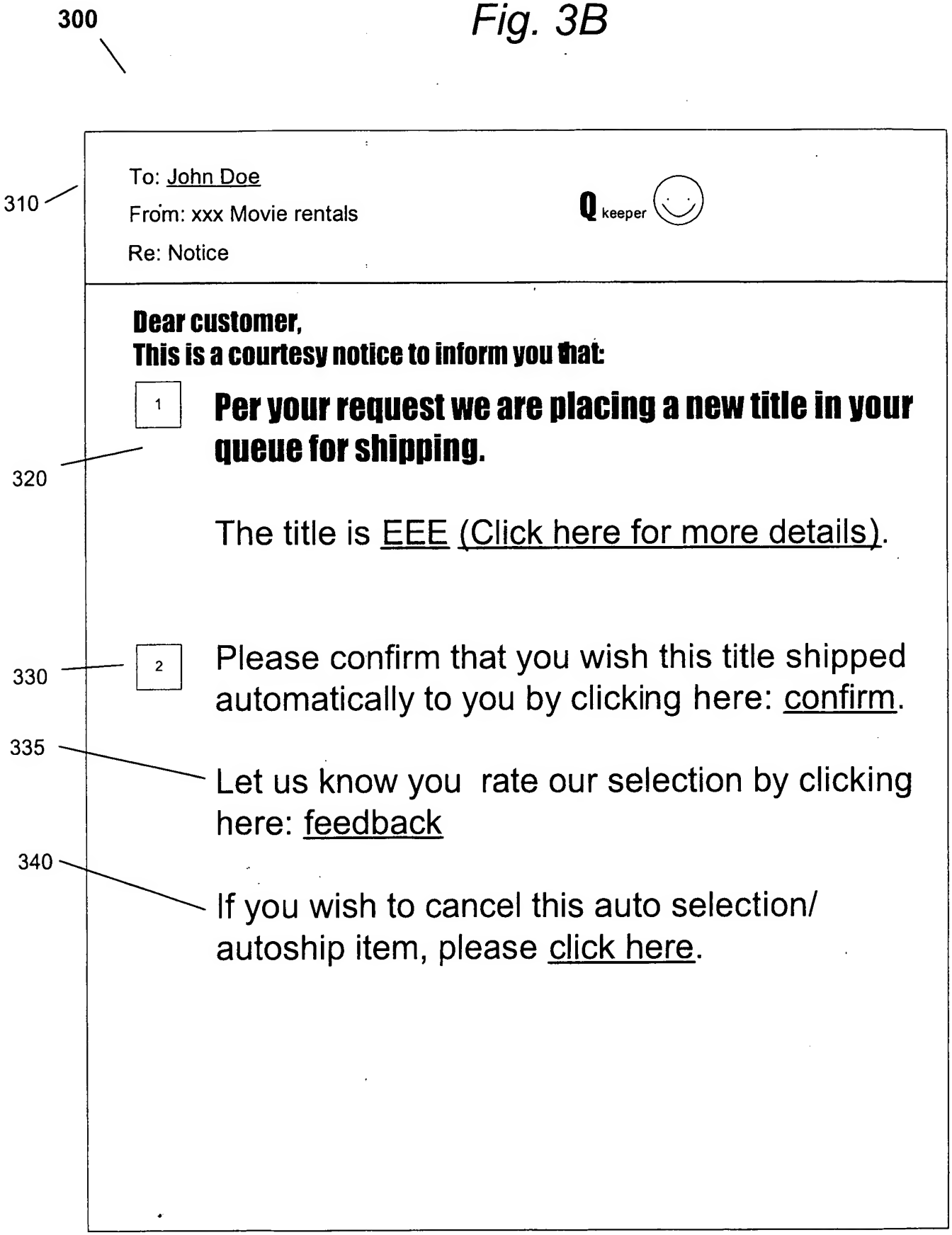

300
310
To: John Doe
From: xxx Movie rentals
Re: Notice
Q keeper
Dear customer,
This is a courtesy notice to inform you that:
1
Your shipping queue is empty or near empty;
click here to see its status
320
(have you considered this title:...?)
2
330
Per your request we are placing a new title in your queue for shipping.
The title is EEE (Click here for more details) and will be shipped automatically to you approximately _ day unless we've been otherwise notified.
335
Let us know you rate our selection by clicking here: feedback
340
If you wish to cancel this auto selection/ autoship item, please click here.

Fig. 3B


300
310
To: John Doe
From: xxx Movie rentals
Re: Notice
Q keeper
Dear customer,
This is a courtesy notice to inform you that:
1
Per your request we are placing a new title in your queue for shipping.
320
The title is EEE (Click here for more details).
330
2
Please confirm that you wish this title shipped automatically to you by clicking here: confirm.
335
Let us know you rate our selection by clicking here: feedback
340
If you wish to cancel this auto selection/ autoship item, please click here.

350

Fig. 3C

Notification confirmation

Here is the section we have made for you:

Title	Description	Auto- select option
EEE	----------	Auto recommended by us based on your prior choices + rating

- ☐ Go and ship
- ☐ Do not ship
- ☐ Do not ship

Finished/refund

Please rate your **Q** keeper!

☆☆☆☆

(Feedback)

Queue Monitor Auto- notify - Auto- ship - Process

Fig. 4

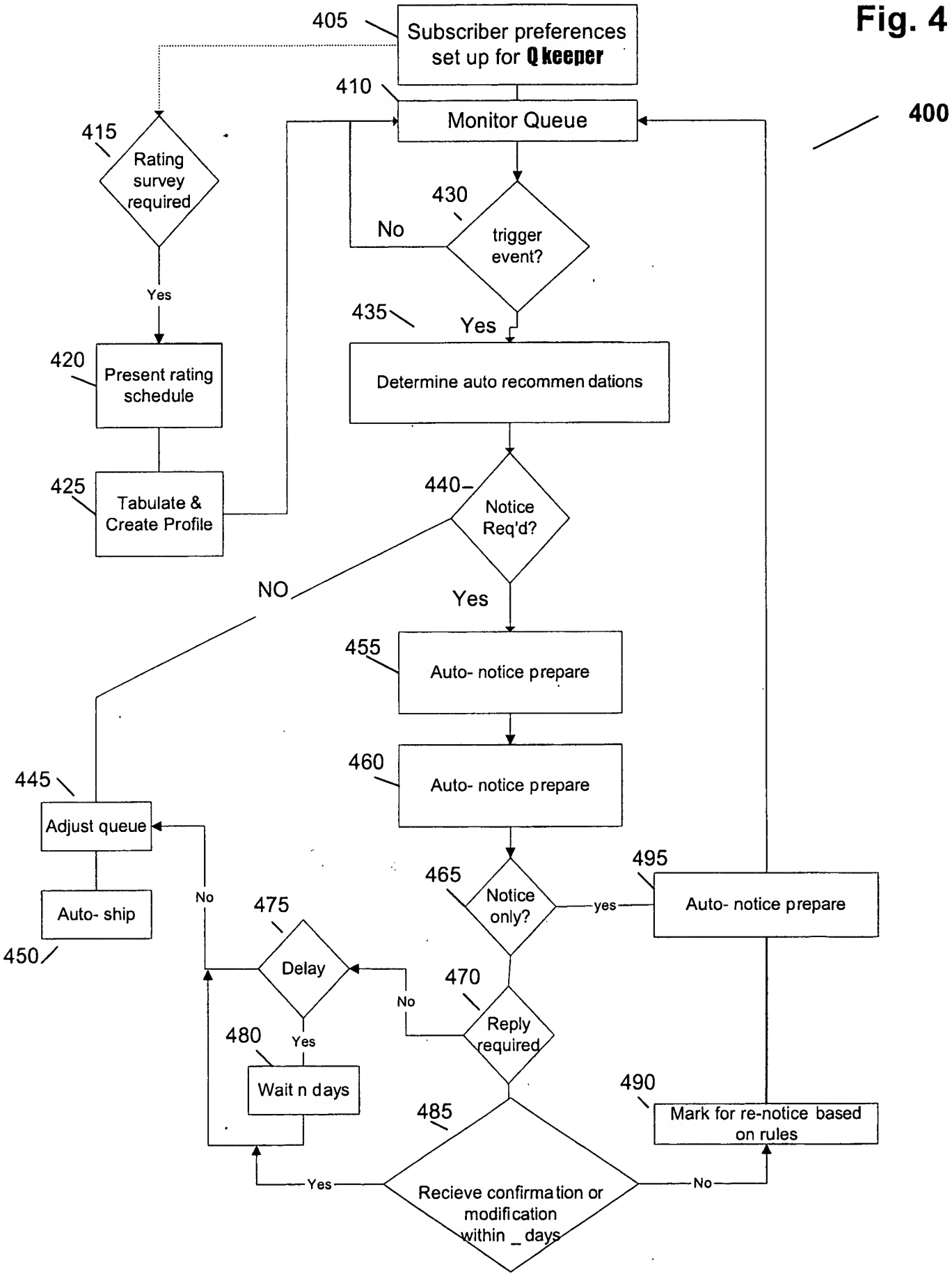


Fig. 5

Subscriber setup for autonumber auto- notify auto- ship

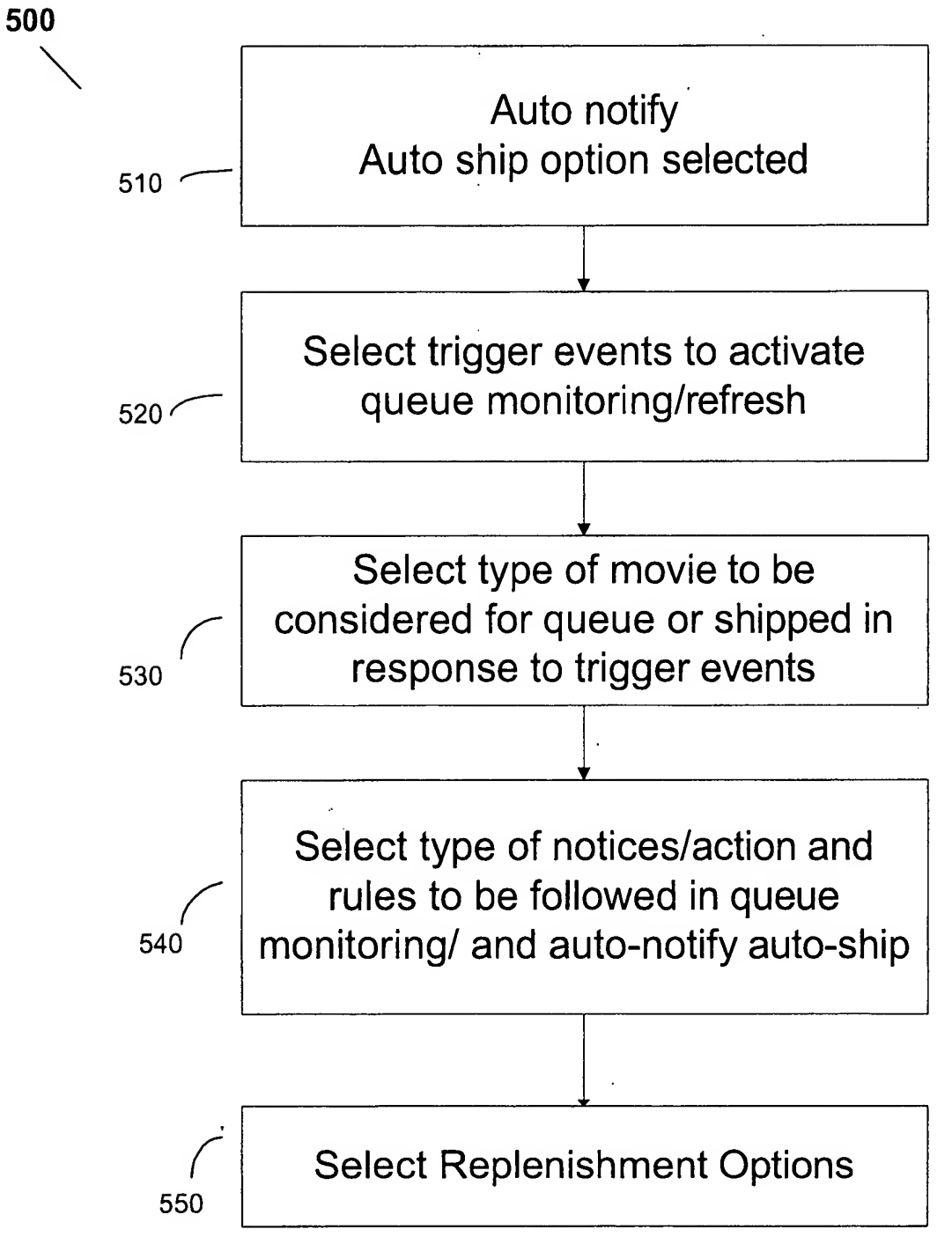


Fig. 6

Auto- recommended survey for subcriber profiling

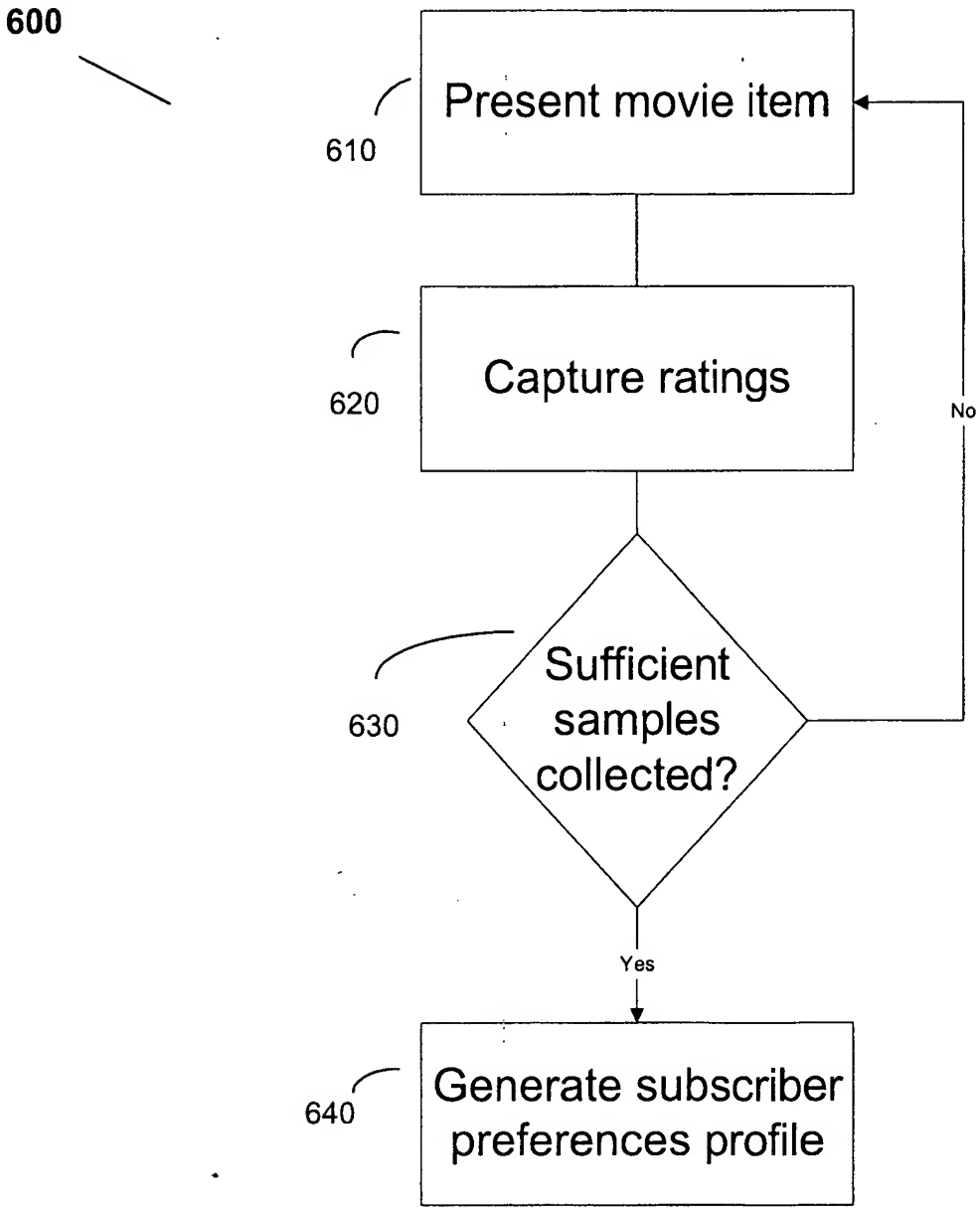
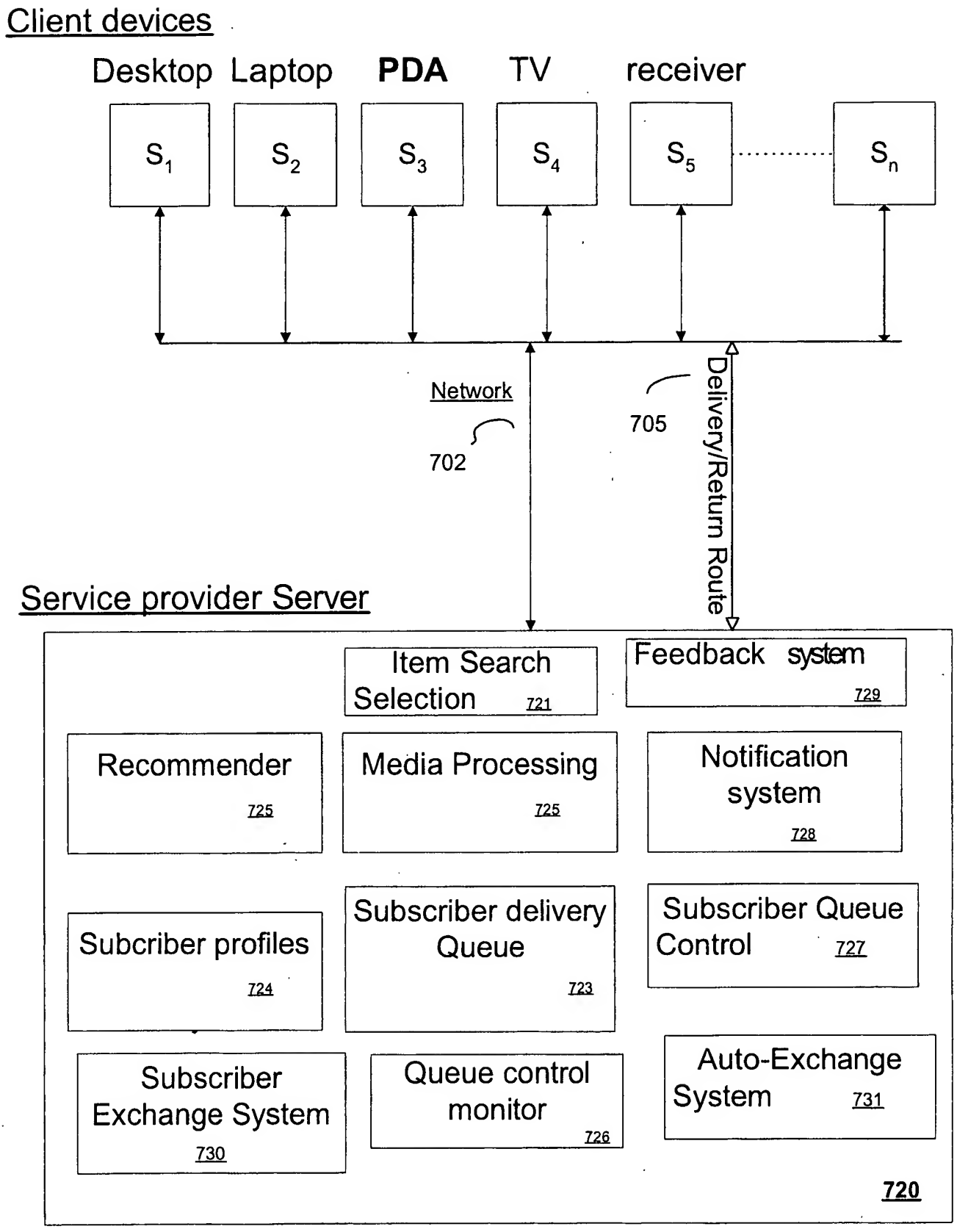


Fig. 7


Client devices
Desktop
Laptop
PDA
TV
receiver
S1
S2
S3
S4
S5
Sn
Network
702
705
Delivery/Return Route
Service provider Server
Item Search Selection 721
Feedback system 729
Recommender 725
Media Processing 725
Notification system 728
Subcriber profiles 724
Subscriber delivery Queue 723
Subscriber Queue Control 727
Subscriber Exchange System 730
Queue control monitor 726
Auto-Exchange System 731
720

Subscriber Based Exchange system operation

Fig 8

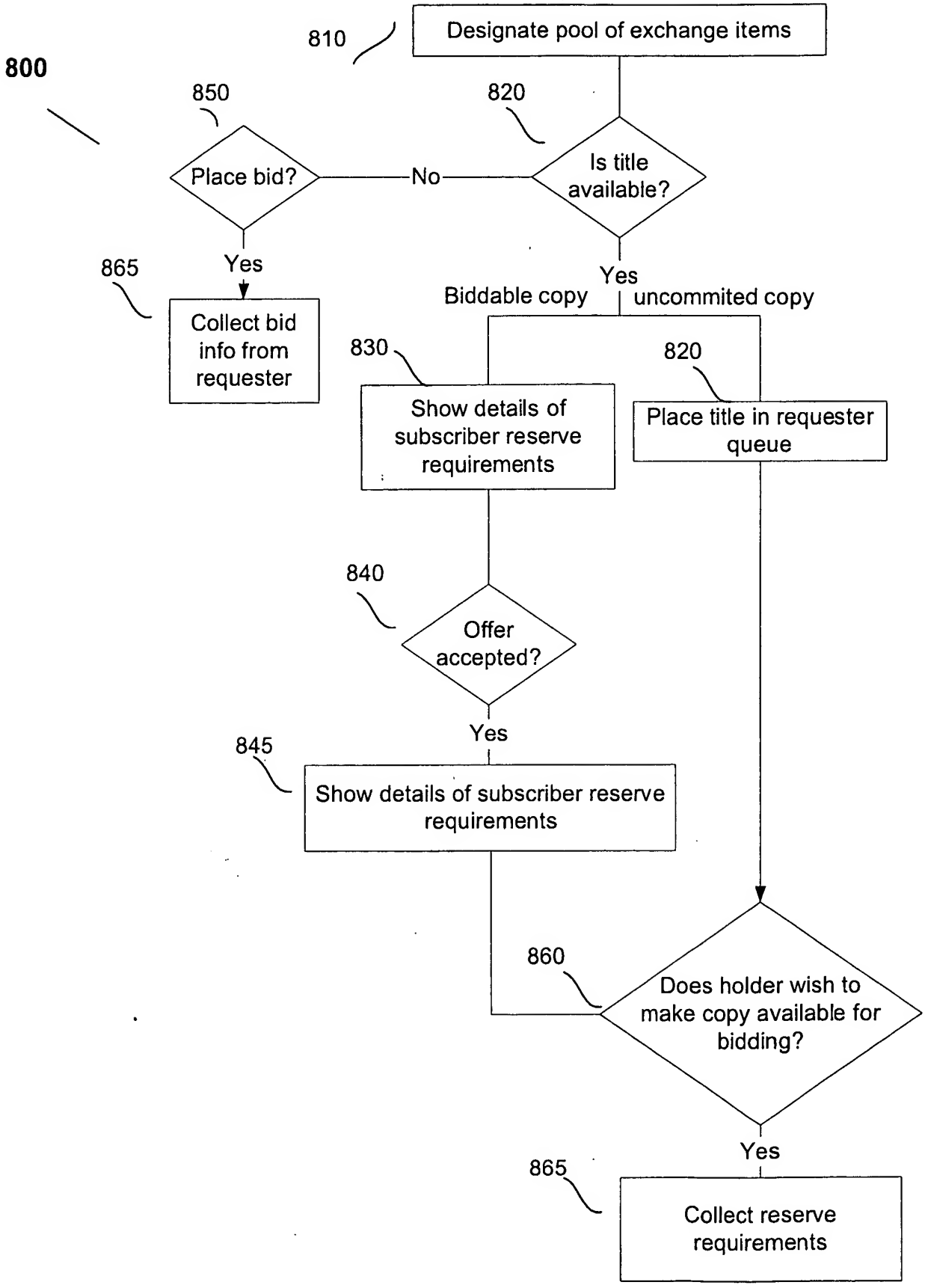
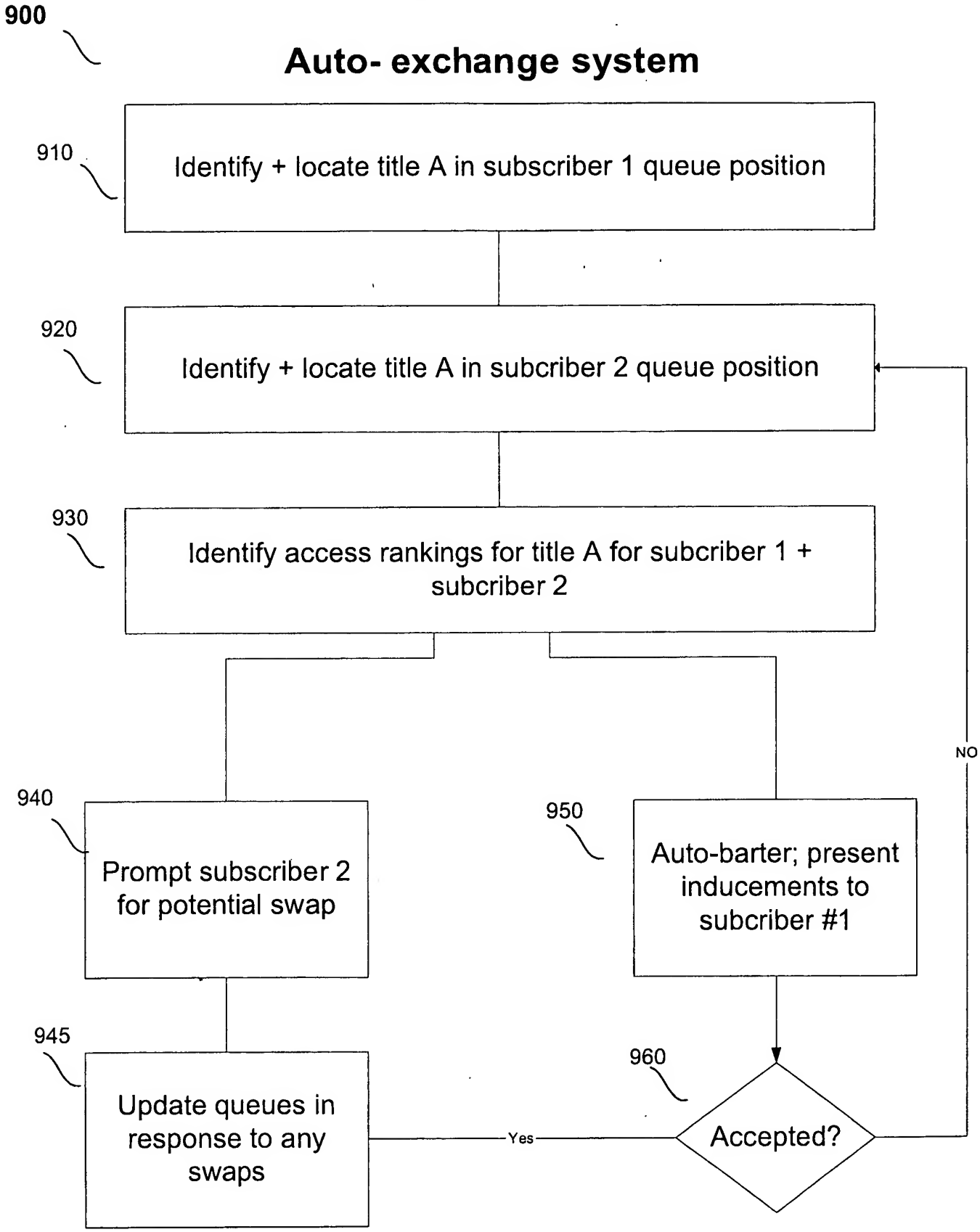


Figure 9


900
Auto- exchange system
910
Identify + locate title A in subscriber 1 queue position
920
Identify + locate title A in subcriber 2 queue position
930
Identify access rankings for title A for subcriber 1 + subcriber 2
940
Prompt subscriber 2 for potential swap
950
Auto-barter; present inducements to subcriber #1
945
Update queues in response to any swaps
960
Accepted?
Yes
NO